

### **Abstract of the Disclosure**

A method of coating of steel products such as plate and sheet using an aluminum-zinc coating alloy includes modifying the coating bath with a particulate compound constituent in effective amounts to control the spangle facet size of the coated product, improve tension bend rust stain performance, and improve coated product paintability. Constituents include borides such as titanium boride and aluminum borides, carbides such as titanium carbide, and aluminides such as titanium aluminide. The method produces a coated steel product that does not require temper rolling for painting.